# **SIEMENS**

### **Data sheet**



holder, universal, 3-way, plastic/metal, 1 NO, 1 NO, screw terminal

product brand name	SIRIUS ACT
product designation	Holders
design of the product	holder, universal for plastic/metal
product type designation	3SU1
manufacturer's article number	
of supplied contact module	3SU1400-1AA10-1BA0, 3SU1400-1AA10-1BA0
<ul> <li>of supplied contact module at position 1</li> </ul>	3SU1400-1AA10-1BA0
<ul> <li>of supplied contact module at position 2</li> </ul>	3SU1400-1AA10-1BA0
<ul> <li>of the supplied holder</li> </ul>	3SU1550-0AA10-0AA0
Actuator	
design of the actuating element	3-way with module
number of contact modules	2
Holder	
material of the holder	Plastic
Display	
number of LED modules	0
General technical data	
product function positive opening	No
product component	
• diode	No
lamp transformer	No
• light source	No
series resistor	No
insulation voltage rated value	500 V
degree of pollution	3
surge voltage resistance rated value	6 kV
protection class IP of the terminal	IP20
shock resistance	
• according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms
<ul> <li>for railway applications according to EN 61373</li> </ul>	Category 1, Class B
operating frequency maximum	3 600 1/h
mechanical service life (operating cycles) typical	10 000 000
thermal current	10 A
reference code according to IEC 81346-2	U
continuous current of the C characteristic MCB	10 A; for a short-circuit current smaller than 400 A
continuous current of the quick DIAZED fuse link	10 A
continuous current of the DIAZED fuse link gG	10 A
Substance Prohibitance (Date)	10/01/2014
operating voltage	
• at AC	

and 60 Hz rated value 5500 V  Power Electronics  Contact reliability One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (17 V, 5 mA), one maloperation (17 V, 5 mA), on	— at 50 Hz rated value	5 500 V			
• at DC rated value 5 500 V  Power Electronics  Contact reliability One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA)  Auxiliary circuit  design of the contact of auxiliary contacts Silver alloy number of NO contacts for auxiliary contacts 2  operational contacts for auxiliary contacts 2  operational contacts for auxiliary contacts 2  operational current at AC-15 at 230 V rated value 6 A  Connections/ Terminals  type of electrical connection  • of modules and accessories Screw-type terminal  type of connectable conductor cross-sections  • solid with core end processing 2x (0.5 0.75 mm²)  • finely stranded with core end processing 2x (1.0 1.5 mm²)  • finely stranded with out end processing 2x (1.0 1.5 mm²)  • finely stranded with out end processing 2x (1.0 1.5 mm²)  • for AWG cables 2x (1.0 1.5 mm²)  • for AWG cables 2x (1.0 1.5 mm²)  • for grounding 1 orque of the screws in the bracket 1 1.2 Nm  tightening torque of the screws in the bracket 1 1.2 Nm  • with screw-type terminals • of or grounding 0.8 1 Nm  Ambient conditions  ambient temperature • during operation 2 2.5 + 70 °C  • during operation 2 4 + 80 °C  environmental Footurit (2C eq during manufacturing 0.625 kg  Global Warming Potential (CO2 eq during poperation 0.235 kg  Global Warming Potential (CO2 eq during poperation 0.235 kg  Global Warming Potential (CO2 eq during poperation 0.235 kg  Global Warming potential (CO2 eq during poperation 0.235 kg  Global Warming potential (CO2 eq during poperation 0.235 kg  Global Warming potential (CO2 eq during poperation 0.235 kg  Global Warming method 0 40 mm  with thickness of the front plate usable 1 6 mm  Approxist Cortificates  Poclaration of Con-  Poclaration opening 1 6 mm  Approxist Cortificates  Poclaration of Con-					
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Contact reliability  Che maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (6 V, 1 mA)  Auxiliary circuit  design of the contact of auxiliary contacts  number of NC contacts for auxiliary contacts  number of NC contacts for auxiliary contacts  operational current at AC-15 at 230 V rated value  6 A  Connections Terminals  Type of electrical connection  of modules and accessories  Vipe of connectable conductor cross-sections  osald with core end processing  of inely stranded with core end processing  of not NC cables  2x (10 1,5 mm²)  of not NC cables  2x (10 1,5 mm²)  of not NC cables  2x (10 1,5 mm²)  of or NC cables  2x (18 14)  Vightening torque of the screws in the bracket  Vightening torque o		5 500 V			
Auxiliary circuit  design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts Operational current at AC-15 at 230 V rated value Operational current at AC-15 at 230 V rated value Operational current at AC-15 at 230 V rated value Operational current at AC-15 at 230 V rated value Operational current at AC-15 at 230 V rated value Operational current at AC-15 at 230 V rated value Operational current at AC-15 at 230 V rated value Operational current at AC-15 at 230 V rated value Operational current at AC-15 at 230 V rated value Operational current at AC-15 at 230 V rated value Operational current at AC-15 at 230 V rated value Operational current at AC-15 at 230 V rated value Operational current at AC-15 at 230 V rated value Operational current at AC-15 at 230 V rated value Operational current at AC-15 at 230 V rated value Operational current at AC-15 at 230 V rated value Operational current at AC-15 at 230 V rated value Operational current at AC-15 at 230 V rated value Operational current at AC-15 at 230 V rated value Operation of modules and accessories Operational value at AC-15 at 230 V rated value Operational value at AC-15 at 230 V rated value Operational value at AC-15 at 230 V rated value Operational value at AC-15 at 230 V rated value Operational value at AC-15 at 230 V rated value Operational value at AC-15 at 230 V rated value Operational value at AC-15 at 230 V rated value Operational value at AC-15 at 230 V rated value Operational value at AC-15 at 230 V rated value Operational value at AC-15 at 230 V rated value Operational value at AC-15 at 230 V rated value Operational value at AC-15 at 230 V rated value Operational value at AC-15 at 230 V rated value Operational value at AC-15 at 230 V rated value Operational value at AC-15 at 230 V rated value Operational value at AC-15 at 230 V rated value Operational value at AC-15 at 230 V rated value Operational value at AC-15 at 230 V rated value Operational value at AC-15 at 230 V rated value Operational value at AC-15 at 230 V rat	<u> </u>	One melanoration per 100 million (17 \/ 5 m/), one mal	operation per 10 million		
design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts operational current at AC-15 at 230 V rated value  Connections/ Terminals  Type of electrical connection of modules and accessories Screw-type terminal oslid without core end processing of finely stranded without end finely ended finely end f	contact reliability	• • • • • • • • • • • • • • • • • • • •	operation per 10 million		
number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts 2 poperational current at AC-15 at 230 v rated value 6 A  Connections/Terminals  type of electrical connection of modules and accessories Screw-type terminal  type of connectable conductor cross-sections of modules and accessories solid with core end processing solid without core end processing finely stranded without end processing finely stranded with end processing finely stranded withou	Auxiliary circuit				
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operational current at AC-15 at 230 V rated value  Connections/ Torninals  type of electrical connection  of modules and accessories  solid with core end processing in esolid with core end processing in finely stranded with core end processing in finely stranded without end processing in	number of NC contacts for auxiliary contacts	0			
type of electrical connection  of modules and accessories  type of connectable conductor cross-sections  osolid with core end processing of connectable conductor cross-sections  osolid with core end processing of finely stranded with core end processing of finely stranded with core end processing of finely stranded with core end processing of the Auril County of the screws in the bracket  tightening torque of the screws in the bracket  tightening torque between the screws in the bracket  tightening torque of the screws in the bracket  tightening torque of the screw-type terminals of grounding  Ambient conditions  ambient temperature of uring operation of uring storage on during storage  on description storage  on description storage  on description storage  on during storage  on du	number of NO contacts for auxiliary contacts	2			
type of electrical connection	operational current at AC-15 at 230 V rated value	6 A			
type of connectable conductor cross-sections     solid with core end processing     solid without end in the processing e	Connections/ Terminals				
type of connectable conductor cross-sections  • solid with core end processing • solid with core end processing • solid with core end processing • finely stranded with core end processing • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing • finely stranded without core end processing • for AWG cables • type the screws in the bracket • type the screws in the bracket • type terminals • for grounding  Ambient conditions  ambient temperature • during operation • during operation • during storage • environmental category during operation according to IEC 60721  Environmental footprint  Environmental Product Declaration(EPD) Yes Global Warming Potential (CO2 eql during manufacturing Global Warming Potential (CO2 eql during manufacturing Global Warming Potential (CO2 eql during operation • of modules and accessories  fastening method • of modules and accessories  firont plate mounting  height  40 mm  som  shape of the installation opening installation width  30 mm  installation depth  thickness of the front plate usable  Approvals Certificates  Declaration of Con-	type of electrical connection				
solid with core end processing     solid without with solid without with solid without with solid without with solid with solid without with solid with solid with solid without with solid	<ul> <li>of modules and accessories</li> </ul>	Screw-type terminal			
Solid without core end processing Infely stranded with core end processing Infely stranded with core end processing Infely stranded without core end processing Infely stranded without core end processing Infel without end without core end processing Infel with end end with end end with end wi	type of connectable conductor cross-sections				
• finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing • for AWG cables  tightening torque of the screws in the bracket  tightening torque • with screw-type terminals • for grounding • with screw-type terminals • for grounding  Ambient conditions  ambient temperature • during operation • during storage • churionmental category during operation according to IEC 60721  Environmental Footprint  Environmental Footprint  Environmental Footprint  Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation  global warming potential [CO2 eq] during operation  global warming potential [CO2 eq] after end of life  o-0.267 kg  Installation/ mounting/ dimensions  fastening method • of modules and accessories Front plate mounting  installation width  30 mm  shape of the installation opening installation width  30 mm  installation depth  49.8 mm  thickness of the front plate usable  Approvals  Declaration of Con-	<ul> <li>solid with core end processing</li> </ul>	2x (0.5 0.75 mm²)			
• finely stranded without core end processing • for AWG cables 2x (1814)  tightening torque of the screws in the bracket  tightening torque • with screw-type terminals • for grounding Ambient conditions  ambient temperature • during operation • during storage environmental category during operation according to IEC 60721  Environmental Fooduct Declaration(EPD) Forironmental Product Declaration(EPD) Global Warming Potential [CO2 eq] during operation  6 during operation 9 0.823 kg Global Warming potential [CO2 eq] during operation  6 during operation 9 0.625 kg Global warming potential [CO2 eq] after end of life 9 0.7267 kg  Installation/ mounting/ dimensions  fastening method • of modules and accessories Front plate mounting installation width 30 mm shape of the installation opening installation depth 49.8 mm thickness of the front plate usable  6 ceneral Product Approval  Declaration of Con-	<ul> <li>solid without core end processing</li> </ul>	2x (1.0 1.5 mm²)			
For AWG cables   2x (18 14)	<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 1.5 mm²)			
tightening torque of the screws in the bracket  tightening torque  • with screw-type terminals • for grounding  Ambient conditions  ambient temperature • during operation • during storage environmental category during operation according to IEC 60721  Environmental footprint  Environmental Product Declaration(EPD) Yes Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation  • of modules and accessories fastening method • of modules and accessories height width 30 mm shape of the installation opening installation width installation depth thickness of the front plate usable  General Product Approval  Declaration of Con-	<ul> <li>finely stranded without core end processing</li> </ul>	2x (1,0 1,5 mm²)			
tightening torque  with screw-type terminals for grounding  Ambient conditions  ambient temperature  during operation during storage environmental category during operation according to IEC 60721  Environmental Footprint  Environmental Product Declaration(EPD) Yes Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during operation for the potential [CO2 eq] during operation global warming potential [CO2 eq] during operation global warming potential [CO2 eq] after end of life -0.267 kg Installation/mounting/ dimensions  fastening method front plate mounting end front plate mounting height 40 mm width 30 mm shape of the installation opening round installation width 30 mm shape of the installation opening installation width 49.8 mm thickness of the front plate usable Approvals Certificates  General Product Approval  Declaration of Con-	<ul> <li>for AWG cables</li> </ul>	2x (18 14)			
with screw-type terminals     for grounding	tightening torque of the screws in the bracket	1 1.2 N·m			
• for grounding  Ambient conditions  ambient temperature • during operation • during storage • during storage • during operation according to IEC 60721  Environmental category during operation according to IEC 60721  Environmental Footprint  Environmental Product Declaration(EPD)  Global Warming Potential [CO2 eq] total  Global Warming Potential [CO2 eq] during manufacturing  Global Warming Potential [CO2 eq] during operation  Jess kg  Global warming potential [CO2 eq] after end of life  Installation/ mounting/ dimensions  fastening method • of modules and accessories  front plate mounting  height  40 mm  width 30 mm  shape of the installation opening  installation width 30 mm  finstallation width 49.8 mm  thickness of the front plate usable  Approvals Certificates  General Product Approval  Declaration of Con-	tightening torque				
Ambient conditions  ambient temperature  • during operation • during storage  environmental category during operation according to IEC 60721  Environmental Footprint  Environmental Product Declaration(EPD)  Global Warming Potential [CO2 eq] during manufacturing  Global Warming Potential [CO2 eq] during manufacturing  Global Warming Potential [CO2 eq] during manufacturing  Global Warming Potential [CO2 eq] during operation  0.235 kg  global warming potential [CO2 eq] during operation  0.235 kg  global warming potential [CO2 eq] after end of life  10.267 kg  Installation/ mounting/ dimensions  fastening method  • of modules and accessories  Front plate mounting  height  40 mm  width  30 mm  installation depth  49.8 mm  thickness of the front plate usable  Approvals Certificates  General Product Approval	<ul> <li>with screw-type terminals</li> </ul>	0.8 0.9 N·m			
ambient temperature  • during operation  • during storage  environmental category during operation according to IEC 60721  Environmental footprint  Environmental Product Declaration(EPD)  Global Warming Potential [CO2 eq] total  Global Warming Potential [CO2 eq] during manufacturing  Global Warming Potential [CO2 eq] during operation  global warming potential [CO2 eq] during operation  global warming potential [CO2 eq] during operation  outstallation/mounting/dimensions  fastening method  of modules and accessories  Front plate mounting  height  40 mm  width  30 mm  shape of the installation opening  installation width  installation depth  thickness of the front plate usable  Approvals Certificates  General Product Approval  Declaration of Con-	<ul><li>for grounding</li></ul>	0.8 1 N·m			
• during operation • during storage • during storage -40 +80 °C environmental category during operation according to IEC 60721 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted)  Environmental Froduct Declaration(EPD) Yes Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Qlobal warming potential [CO2 eq] after end of life Qlobal Warming Potential [CO2 eq] after end of life Qlobal Warming Potential [CO2 eq] after end of life Qlobal warming potential [CO2 eq] after end of life Qloba	Ambient conditions				
oluring storage     environmental category during operation according to IEC     environmental footprint  Environmental Froduct Declaration(EPD)     Global Warming Potential [CO2 eq] total     Global Warming Potential [CO2 eq] during manufacturing     Global Warming Potential [CO2 eq] during operation     global warming potential [CO2 eq] after end of life	ambient temperature				
environmental category during operation according to IEC 60721  Environmental Footprint  Environmental Product Declaration(EPD)  Global Warming Potential [CO2 eq] total  Global Warming Potential [CO2 eq] during manufacturing  Global Warming Potential [CO2 eq] during operation  Global Warming Potential [CO2 eq] during operation  O.235 kg  Global Warming Potential [CO2 eq] after end of life  -0.267 kg  Installation/ mounting/ dimensions  fastening method  of modules and accessories  in shape of the installation opening  installation width  30 mm  shape of the installation opening  installation depth  thickness of the front plate usable  Approvals Certificates  Declaration of Con-	<ul> <li>during operation</li> </ul>	-25 +70 °C			
Environmental Footprint  Environmental Product Declaration(EPD)  Global Warming Potential [CO2 eq] total  Global Warming Potential [CO2 eq] during manufacturing  Global Warming Potential [CO2 eq] during operation  global warming Potential [CO2 eq] during operation  global warming potential [CO2 eq] after end of life  -0.267 kg  Installation/ mounting/ dimensions  fastening method  of modules and accessories  height  40 mm  width  30 mm  shape of the installation opening  installation width  installation depth  thickness of the front plate usable  Approvals Certificates  Declaration of Con-	during storage	-40 +80 °C			
Environmental Product Declaration(EPD)  Global Warming Potential [CO2 eq] total  Global Warming Potential [CO2 eq] during manufacturing  Global Warming Potential [CO2 eq] during manufacturing  Global Warming Potential [CO2 eq] during operation  global warming potential [CO2 eq] during operation  global warming potential [CO2 eq] after end of life  -0.267 kg  Installation/ mounting/ dimensions  fastening method  of modules and accessories  Front plate mounting  height  40 mm  width  30 mm  shape of the installation opening  installation width  30 mm  installation depth  49.8 mm  thickness of the front plate usable  Approvals Certificates  General Product Approval  Declaration of Con-					
Global Warming Potential [CO2 eq] total 0.593 kg Global Warming Potential [CO2 eq] during manufacturing 0.625 kg Global Warming Potential [CO2 eq] during operation 0.235 kg global warming potential [CO2 eq] after end of life -0.267 kg  Installation/ mounting/ dimensions  fastening method front plate mounting front plate mounting  • of modules and accessories Front plate mounting  height 40 mm  width 30 mm  shape of the installation opening round installation width 30 mm  installation depth 49.8 mm  thickness of the front plate usable 1 6 mm  Approvals Certificates  Declaration of Con-	Environmental footprint				
Global Warming Potential [CO2 eq] during manufacturing  Global Warming Potential [CO2 eq] during operation  global warming potential [CO2 eq] after end of life  -0.267 kg  Installation/ mounting/ dimensions  fastening method  of modules and accessories  front plate mounting  height  40 mm  width  30 mm  shape of the installation opening  installation width  installation depth  thickness of the front plate usable  Approvals  General Product Approval  0.625 kg  0.235 kg  0.236 kg  1.26 kg  1.27 kg  1.28 mounting  1.29 mounting  1.20 mounting  1.21 mounting  1.22 mounting  1.23 mounting  1.24 mounting  1.25 mounting  1.26 mounting  1.27 mounting  1.28 mounting  1.28 mounting  1.28 mounting  1.28 mounting  1.29 mounting  1.20 mounting	Environmental Product Declaration(EPD)	Yes			
Global Warming Potential [CO2 eq] during operation global warming potential [CO2 eq] after end of life -0.267 kg  Installation/ mounting/ dimensions  fastening method of modules and accessories  front plate mounting height 40 mm width 30 mm shape of the installation opening installation width 30 mm  installation depth 49.8 mm  thickness of the front plate usable  Approvals Certificates  Declaration of Con-	Global Warming Potential [CO2 eq] total	0.593 kg			
global warming potential [CO2 eq] after end of life  Installation/ mounting/ dimensions  fastening method  of modules and accessories  feight  40 mm  width  shape of the installation opening installation width  installation depth  49.8 mm  thickness of the front plate usable  Approvals Certificates  Front plate mounting  round  30 mm  1 6 mm  Declaration of Con-	Global Warming Potential [CO2 eq] during manufacturing	0.625 kg			
Installation/ mounting/ dimensions  fastening method	Global Warming Potential [CO2 eq] during operation	0.235 kg			
fastening method  of modules and accessories  Front plate mounting  height  40 mm  width  30 mm  shape of the installation opening  installation width  30 mm  installation depth  49.8 mm  thickness of the front plate usable  Approvals Certificates  Declaration of Con-	global warming potential [CO2 eq] after end of life	-0.267 kg			
of modules and accessories     Front plate mounting     40 mm     width    30 mm     shape of the installation opening    round     installation width    30 mm     installation depth    49.8 mm     thickness of the front plate usable    1 6 mm  Approvals Certificates    Declaration of Con-	Installation/ mounting/ dimensions				
height 40 mm  width 30 mm  shape of the installation opening round installation width 30 mm installation depth 49.8 mm  thickness of the front plate usable 1 6 mm  Approvals Certificates  Declaration of Con-	fastening method	front plate mounting			
width 30 mm shape of the installation opening round installation width 30 mm installation depth 49.8 mm thickness of the front plate usable 1 6 mm  Approvals Certificates  Declaration of Con-	<ul> <li>of modules and accessories</li> </ul>	Front plate mounting			
shape of the installation opening installation width 30 mm installation depth 49.8 mm thickness of the front plate usable Approvals Certificates  Declaration of Con-	height	40 mm			
installation width installation depth 49.8 mm thickness of the front plate usable Approvals Certificates  General Product Approval  Declaration of Con-	width	30 mm			
installation depth 49.8 mm thickness of the front plate usable 1 6 mm Approvals Certificates  General Product Approval  Declaration of Con-	shape of the installation opening	round			
thickness of the front plate usable 1 6 mm  Approvals Certificates  General Product Approval  Declaration of Con-	installation width	30 mm			
Approvals Certificates  General Product Approval  Declaration of Con-	installation depth	49.8 mm			
General Product Approval  Declaration of Con-	thickness of the front plate usable	1 6 mm			
General Product Approval	Approvals Certificates				
	General Product Approval				



Confirmation





EAC



Declaration of Conformity

**Test Certificates** 

Marine / Shipping



Type Test Certificates/Test Report

Special Test Certificate







Marine / Shipping

other

Environment



Confirmation

Environmental Confirmations

#### Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

#### Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

## Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1550-1AA10-1NA0

#### Cax online generator

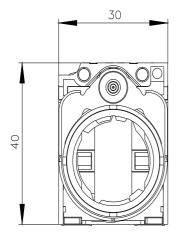
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1550-1AA10-1NA0

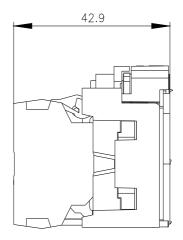
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

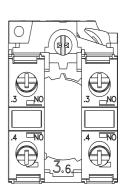
https://support.industry.siemens.com/cs/ww/en/ps/3SU1550-1AA10-1NA0

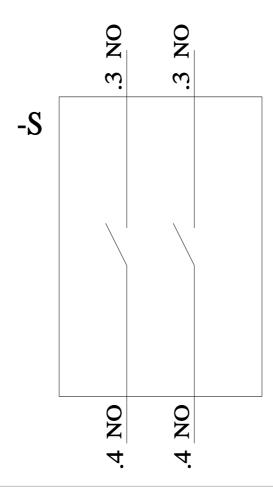
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1550-1AA10-1NA0&lang=en









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